ATTACHME^F

Form PTO 948 (Rev. 03/02) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

Fig(s) becomes the right side, except for graphs. Fig(s) 9. SCALE. 37 CFR 1.84(k) PHOTOGRAPHS. 37 CFR 1.84(b) Scale not large enough to show mechanism without	DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color.	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) Words do not appear on a horizontal, left-to-right fashion
1 full-tone set is required. Fig(s) Photographs may not be mounted, 37 CFR 1.84(c) Photographs may not be mounted, 37 CFR 1.84(c) Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 27.9 cm (B 172 x 11 incffs?) All drawing sheets not an acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 27.9 cm (8 172 x 11 incffs?) All drawing sheets not has asse size. Shee(s) Drawings sheets not an acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 84 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 81 2x x 11 Margins not acceptable. Fig(s) Top (T) Left (L) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) ReMINDER's Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h) Enalaged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)	Pencil and non black ink not permitted. Fig(s)	when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) 9. SCALE. 37 CFR 1.84(k)
TYPE OF PAPER. 37 CFR 1.84(e) Paper not lexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 2.1.0 cm by 2.9.7 cm (DIN size A4) 2.1.6 cm by 2.9.9 cm (8 1/2 x 11 incl®s) All drawing sheets not he same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 81 /2 x 11 Margins not acceptable. Fig(s) MEMN-DER: Specification may require revision to correspond to drawing changes. Views not labeled separately or properly. Fig(s) Milews. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Meaning diverse one entity. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) In CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(f) Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) ShADING. 37 CFR 1.84(n) Solid black standing not permitted. Fig(s) Solid black standing not permitted. Fig(s) Solid black standing not permitted. Fig(s) Numbers, Letters on uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) Numbers and reference characters not plain and legible. Fig(s) Numbers, Interest on tuniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) Numbers, Letters on uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) Numbers and reference characters not plain and legible. Fig(s) Numbers, Interest on termined on the same are reference characters not oriented in th	1 full-tone set is required. Fig(s) Photographs may not be mounted. 37 CFR 1.84(e) Poor quality (half-tone). Fig(s)	crowding when drawing is reduced in size to two-thirds in reproduction.
Leasters, attendants, overwritings, interfinentions, folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.9 cm (21.2 x 11 incffSC) All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARCHINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: AS Ize Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: AS Ize Top (7) Left (L) Right (R) Margins not acceptable. Fig(s) Top (T) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(p) MINDBERS. LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s) SIZE: AS Ize Top (1) Left (1.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Left (L) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) Bottom (B) VIEWS. 37 CFR 1.84(h) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Lead lines cross each other. Fig(s) Sheetis not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Lead lines missing. Fig(s) 15. NUMBERING OF VIEWS. 37 CFR 1.84(w) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Fig(s) Solid black shading not used for color contrast. Fig(s) Top (T) SUMBERS. LETERS, & REFERNCE CHARACTERS. 37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s) Numbers, Detgras and reference characters not oriented in the same direction as the view	TYPE OF PAPER. 37 CFR 1.84(e) Paper not flexible, strong, white, and durable. Fig(s)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(I) Lines, numbers & letters not uniformly thick and well
SIZE 8 1/2 x 11 Margins not acceptable. Fig(s) — Top (T) — Left (L) — Right (R) — Bottom (B) PERMINDER: Specification may require revision to correspond to drawing changes. — Top (T) — Left (L) — Right (R) — Brackets needed to show figure as one entity. Fig(s) — Brackets needed to show figure as one entity. Fig(s) — Enlarged view not labeled separately or properly. Fig(s) — Enlarged view not labeled separately or properly. Fig(s) — Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Solid black shading not permitted. Fig(s) — Solid black shading not permitted. Fig(s) — Sald lines, pale, rough and burred. Fig(s) — Numbers, and reference characters not plain and legible. Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) — Sulzie. 8 1/2 x 11 Margins not acceptable. Fig(s) — Left (L) — Right (R) — Bottom (B) 13. LEAD LINES. 37 CFR 1.84(p)(2) Fig(s) — Lead lines missing. Fig(s) — Lead lines cross each other. Fig(s) — Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) Views not labeled separately or properly. Fig(s) — Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Solid black shading not used for color contrast. Fig(s) — Solid black shading not used for color contrast. Fig(s) — Solid black shading not used for color contrast. Fig(s) — Solid black shading not used for color contrast. Fig(s) — Solid black shading not used for color contrast.	folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin).	defined, clean, durable, and black (poor line quality). Fig(s) 11. SHADING, 37 CFR 1.84(m)
All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: S 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) Parkets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Size: Size: Size: Fig(s) Size: A4 Size Size: A4 Size Size: A5 Size Size: A5 Size Size: Bottom 1.0 cm Size: A5 Size Size Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Size Size Right 1.5 cm Bottom 1.0 cm Size: Bottom 1.0 cm Size: A5 Size Size Legd in direction as the view. 37 CFR 1.84(p)(1) Fig(s) Size: Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: Bottom 1.0 cm Size: Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A5 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Size Right 1.5 cm Bottom 1.0 cm Size: A6 Siz	SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4)	Solid black shading not permitted. Fig(s) Shade lines, pale, rough and blurred. Fig(s)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) VIEWS. 37 CFR 1.84(h) Parkets needed to show figure as one entity. Fig(s) Elarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Escritonal VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Size: 8 1/2 x 11 Same direction as the view. 37 CFR 1.84(p)(1) Fig(s) Same direction as the view. 37 CFR 1.84(p)(2) Fig(s) Numbers and reference characters must be at least 32 cm (1/8 inch); in height. 37 CFR 1.84(p)(3) Fig(s) Numbers, letters and reference characters must be at least 32 cm (1/8 inch); in height. 37 CFR 1.84(p)(3) Fig(s) 13. LEAD LINES. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Lead lines missing. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast.	All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s)	37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T)	Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Roman numbers. Fig(s) SILEAD LINES. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines missing. Fig(s) NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Solid black shading not used for color contrast.	Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11	Seglish alphabet not used. 37 CFR 1.84(p)(2) Figs
correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Fig(s) Fig(s) Sectional VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Lead lines missing. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not labeled separately or properly. 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) Sections of numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) CORRECTIONS. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Solid black shading not used for color contrast.	Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h)	.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) 13. LEAD LINES. 37 CFR 1.84(q)
Fig(s) beginning with number 1. Sheet(s) 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) Views not labeled separately or properly. Fig(s) 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) beginning with number 1. Fig(s) 16. CORRECTIONS. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated 4dated 5. Sectional designation should be noted with Arabic or Roman numbers. Fig(s) 5. Solid black shading not used for color contrast. Fig(s) 5. Fig(s) 5. Solid black shading not used for color contrast. Fig(s) 5.	correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2)	Lead lines missing. Fig(s) 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
beginning with number 1. Fig(s) Fig(s) BECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)	-Fig(s)	beginning with number 1. Sheet(s) 15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Hatching not indicated for sectional portions of an object. Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Fig(s)	Fig(s)	beginning with number 1. Fig(s) 16. CORRECTIONS. 37 CFR 1.84(w)
Roman numbers. Fig(s) Solid black shading not used for color contrast. Fig(s) Solid black shading not used for color contrast.	Hatching not indicated for sectional portions of an object. Fig(s)	dated
OMMENTS	Sectional designation should be noted with Arabic or Roman numbers. Fig(s)	Solid black shading not used for color contrast.
	OMMENTS	

Attachment for PTO-948 (Rev. 03/01, or earlier) 6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections <u>within the time period set in the attached Office communication</u>. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.